

2EXL10000CR4

Bluestar 8-Cell Lithium Battery with CR4

ULTRALIFE®

Introduction

Battery packs manufactured by Ultralife are engineered to withstand and operate in aggressive drilling environments commonly encountered around the world. Ultralife's downhole battery packs contain cells from the leading manufacturers of high temperature Lithium Thionyl Chloride cells.

Key Features

- High quality and high-temperature lithium/thionyl chloride cells
- With integrated Criterion IV battery gauge
- Components capable of withstanding temperature rating of battery
- Carefully controlled internal welds and solder joints
- Proper selection of epoxies, encapsulants, heat shrink, and battery casings suitable for the application
- Assembly techniques specific for high temperatures, high vibration, and high shock environments
- All new components
- Tested and Certified in accordance with UN Manual of Tests and Criteria

CRITERION
Industry Leading Battery Monitoring

Measures and records voltage, temperature, current, 3 axis shock and vibration, rotation, stick slip, and calculates capacity used. Built in depassivation. Available now on all MWD batteries.



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Battery Pack Specifications

Cell Type*	DD MR
Max Temp Rating	165°C
Open Circuit Voltage	29V
Capacity	29Ahrs
Diameter	1.485"
Length	46.75"
Self Discharge Rate	<2%@20°C per year
Lithium Content	67.2g
Pack Weight	2.63kg

*Other cell types, temperature ratings, and discharge rates available on request.

Connector Configuration

MDM 15-Pin and socket

! WARNING !

Fire, explosion, and severe burn hazard. Do not recharge, crush, disassemble, heat above 165C, incinerate, short circuit or expose contents to water. Keep battery out of reach of children and store in original package until ready to use. Dispose of used batteries properly.

TRANSPORT INFORMATION

Lithium Metal Batteries UN3090 Class 9 Misc.
See 49 CFR
172.101 and IATA/ICAO for more information.

About Ultralife

Ultralife is a global leader in mission critical battery, power and communications systems solutions for the most demanding applications in Gov't & Defense, Commercial and Industrial markets. With operations in North America, Europe and Asia, we are well positioned as a tier 1 supplier and partner to large, global OEM's, government agencies and defense contractors who rely on our experience and expertise to support product launches and missions.

We design complex battery, RF power solutions and a wide variety of adjacent technical solutions for mission-critical applications where safety, reliability and performance are non-negotiable.

We Offer:

- Extensive mission-critical application expertise and experience
- Deep technical integration with your design team – from batteries and packs to communications and compute
- Products engineered for extreme environments and harsh conditions
- Strategic lifecycle support from concept through 10-15+ years in the field